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PPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/768,081 02/02/2004		2/02/2004	Mark Fischer	M4065.0237/P237-C	8284
24998	7590	09/20/2005		EXAMINER	
DICKSTEI 2101 L Stree		RO MORIN & O	WOJCIECHOWICZ,	WOJCIECHOWICZ, EDWARD JOSEPH	
Washington,	,	37		ART UNIT	PAPER NUMBER
	g,			2815	-

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/768,081	FISCHER ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Edward Wojciechowicz	2815				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status	•						
1)⊠ Re	esponsive to communication(s) filed on <u>30 Ju</u>	ne 2005.					
2a)☐ Th	This action is FINAL . 2b)⊠ This action is non-final.						
3) <u></u> Si	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
clo	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) Claim(s) <u>56-70</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) <u>56-70</u> is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority und	der 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) Notice of 3) Information) . of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) tion Disclosure Statement(s) (PTO-1449 or PTO/SB/08) lo(s)/Mail Date <u>4-1-05</u> .	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:					

DETAILED ACTION

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 56-70 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsai et al, of record. Although some of applicants' remarks appear to have been omitted between pages 7 and 8, it appears that a typographical error in the previous office action may have led to some confusion as to the applicability of the Tsai reference.

For example, the FIG. 13 embodiment of the Tsai reference teaches the structure of claim 56 showing a substrate, a gate structure (12) having sidewalls (13), a plurality of first diffusion regions, either (21) or (22) with a first dopant and adjacent to the sidewalls, a plurality of second diffusion regions (23) with a second dopant, wherein the first diffusion regions, either (21) or (22), extend beneath the gate and are located beneath the respective second diffusion regions (23), and where none of the second diffusion regions extend beneath the gate, as claimed.

The Tsai reference also teaches the relative dopant concentrations of the various regions (col. 6, I. 20) including where the first dopant concentration of a first diffusion region, e.g. region (22), can be 2E12 atoms/ cm².

With regard to claim 66, this structure is also shown by FIG. 13 of Tsai, for example, where the first "portion" may be comprised by regions (21) or (22) as above, and where the second portions can be comprised of regions (16) or (23) since both of these regions are of the same conductivity type, and neither extends beneath the gate structure.

Tsai also teaches the use of the same dopants as claimed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edward Wojciechowicz Primary Examiner Art Unit 2815 Page 3

EW: ew